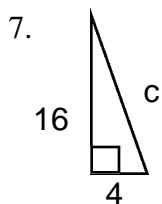
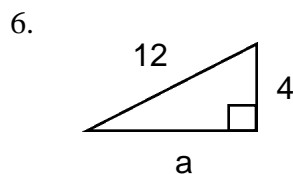
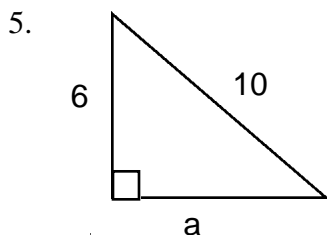
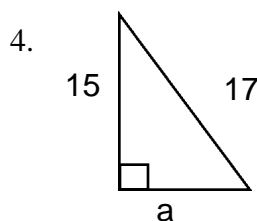
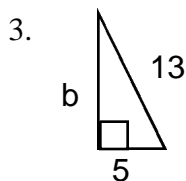
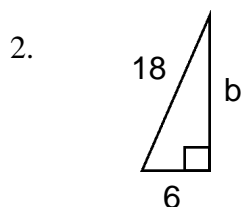
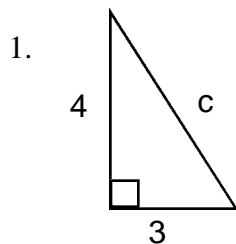


**EXTRA PRACTICE 30**  
**The Pythagorean Theorem**  
**Use after Section 8.7**

Name \_\_\_\_\_

Find the length of the third side of the right triangle. Give an exact answer and an approximation to three decimal places.



In a right triangle, find the length of the side not given. Give an exact answer and an approximation to three decimal places.

8.  $a = 3, b = 4$  \_\_\_\_\_

9.  $a = 5, b = 12$  \_\_\_\_\_

10.  $a = 15, c = 17$  \_\_\_\_\_

11.  $b = 12, c = 18$  \_\_\_\_\_

12.  $a = 9, c = 17$  \_\_\_\_\_

13.  $b = 3, c = 4$  \_\_\_\_\_

14.  $a = 10, b = 10$  \_\_\_\_\_

15.  $b = 6, c = 12$  \_\_\_\_\_